



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD Number	CAA-2018-03-001	發布日期 Date issued	2018/3/7												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 to 9816 and 9998.														
主旨摘要	Fire Protection – Engine Fire Extinguishers' Squib Connector Wiring Length Discrepancy														
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主關機構 Original Authorities <table><tr><td><input type="checkbox"/> FAA</td><td><input type="checkbox"/> Germany LBA</td></tr><tr><td><input type="checkbox"/> EASA</td><td><input type="checkbox"/> CAA-NL</td></tr><tr><td><input type="checkbox"/> Brazil</td><td><input type="checkbox"/> UK CAA</td></tr><tr><td><input checked="" type="checkbox"/> Transport Canada Civil Aviation</td><td><input type="checkbox"/> Japan CAB</td></tr><tr><td><input type="checkbox"/> DGAC</td><td><input type="checkbox"/> CAA of Israel</td></tr><tr><td></td><td><input type="checkbox"/> Other _____</td></tr></table>			<input type="checkbox"/> FAA	<input type="checkbox"/> Germany LBA	<input type="checkbox"/> EASA	<input type="checkbox"/> CAA-NL	<input type="checkbox"/> Brazil	<input type="checkbox"/> UK CAA	<input checked="" type="checkbox"/> Transport Canada Civil Aviation	<input type="checkbox"/> Japan CAB	<input type="checkbox"/> DGAC	<input type="checkbox"/> CAA of Israel		<input type="checkbox"/> Other _____
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<input type="checkbox"/> DGAC	<input type="checkbox"/> CAA of Israel														
	<input type="checkbox"/> Other _____														
	設計國AD編號 Original AD number	CF-2018-08													
	1. 直接採用原AD之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) ____ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將AD執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)														
備註 Note	Bombardier Inc. has issued service bulletins (SB) 700-26-011, 700-26-5003, 700-26-6003, 700-1A11-26-004, and 700-26-5003.														

註： 1. AD內容後附。

2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。

3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail：adcaa@mail.caa.gov.tw

Note： 1. The AD text is enclosed.

2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval.

3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail：adcaa@mail.caa.gov.tw



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.

Number:

CF-2018-08

Effective Date:

12 March 2018

ATA:

26

Type Certificate:

A-177

Subject:

Fire Protection – Engine Fire Extinguishers' Squib Connector Wiring Length Discrepancy

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 to 9816 and 9998.

Compliance:

Within 1000 hours air time or 15 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. has been made aware that non-conforming squib connector wire harnesses may have been installed on one of the two engine FIREX bottle installations on some of the affected aeroplanes. The subject non conformity of squib connector wire length can allow cross connection between the two squib connectors on one of the engine FIREX bottles, preventing proper function of the engine FIREX system.

In the event of an engine fire, this wiring discrepancy may potentially misroute the supply of fire extinguishing agent to the wrong engine, or limit the supply from both FIREX bottles to only one engine, hence impacting the operational safety of the aeroplane.

Bombardier Inc. has issued service bulletins (SB) 700-26-011, 700-26-5003, 700-26-6003, and 700-1A11-26-004, for the affected model aeroplanes, to address the potentially unsafe condition caused by the non-conforming FIREX bottle squib connector wiring. This AD is issued to mandate compliance with above-mentioned SBs, as applicable.

Corrective Actions:

Inspect the engine FIREX bottle squib connector wiring and rectify, in accordance with accomplishment instructions of the applicable Bombardier Inc. SB, as shown in the table below:

Aeroplane Model	Bombardier SB	Date
BD-700-1A10	700-26-011 Rev. 01	15 February, 2018
BD-700-1A10	700-26-6003 Rev. 01	15 February, 2018
BD-700-1A11	700-1A11-26-004 Rev. 01	15 February, 2018
BD-700-1A11	700-26-5003 Rev. 01	15 February, 2018

Accomplishment of the later revisions of the above-mentioned SBs approved by the Chief, Continuing Airworthiness, Transport Canada, also satisfy the requirements of this AD.

Accomplishment of the basic Issues, dated 28 December 2017, of the above-mentioned SBs, prior to the effective date of this AD, also satisfy the requirements of this AD

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Philip Tang
Acting Chief, Continuing Airworthiness
Issued on 26 February 2018

Contact:

A K Durrani, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.